Project Title: Estimate the Crop Yield Using Data Analytics

Project Design Phase-I – Solution Fit Template
Team ID: PNT2022TMID28181

Define CS, fit into CC			Explore AS, differentiate
1.CUSTOMER SEGMENT(S) `CS` Farmers are the customer who wants to yield a crop in field.	**6. CUSTOMER CONSTRAINTS** `CC` Less knowledge and development towards the current environmental changes and technologies, they follow ancient methods, which is also worthy but, the climatic changes and new kind pesticides	**5. AVAILABLE SOLUTION** `AS` • Traditional ways of prediction. • Precision farming.	

Focus on J&P, tap into BE, understand RC			Focus on J&P, tap into BE, understand RC
2. JOBS-TO-BE-DONE / PROBLEMS `J&P` • Help them understand the usage of prediction and software application for good results in agriculture. • Data report should to be created to reduce the loss of the crop and earn more profit in agriculture fields	**9. PROBLEM ROOT CAUSE** `RC` • Various disease on the plants can lead to reducing the quality of the crops productivity. • The insects on the plants can spread the disease.	**7. BEHAVIOUR** `BE` • Try to get help from agricultural experts. • Try to take up non-natural means of cultivation for quicker harvest	

Identify strong TR & EM	**3. TRIGGERS** `TR` • Seeing their crops are being infected by disease and facing huge loss in quality. **4. EMOTIONS: BEFORE / AFTER** `EM` Before: Most of the famers in India have Stress, Loosing Self Confidence. After : Gain of Self Confidence.	**10. YOUR SOLUTION** `SL` • The solution for the problem, creating data report using past datasets. • Creating IBM Cognos dashboard could make them better understand easily.	**8. CHANNELS of BEHAVIOUR** `CH` • Trying to use pesticides and fertilizers that increase gain but cause harm. • Irrigation channel changes.